

IN THE CLAIMS:

1 1. (Cancelled) A modifier selectively to vary an observed
2 property of an observable surface, said surface overlaying a
3 substrate, said modifier comprising:

4 a Peltier effect thermoelectric cell having a first and
5 a second cell surface, the temperature of said cell surfaces
6 being selectively variable as the consequence of an electrical
7 control current applied to said cell; and

8 a thermally-responsive layer responsive to the
9 temperature of one of said cell surfaces, said thermally
10 responsive layer being so disposed and arranged as to constitute
11 the observed surface, the response of said thermally-responsive
12 layer being to modify an inherent property of its material.

1 2. (Cancelled) A modifier according to claim 1 in which
2 said modification is selective by a user in response to a
3 requirement for modification perceived by the user.

1 3. (Cancelled) A modifier according to claim 1 in which the
2 modified observed property is color or temperature.

1 4. (Cancelled) A modifier according to claim 1 in which
2 said modification is adaptively made in response to a signal
3 received from another source.

1 5. (Cancelled) A modifier according to claim 2 in which
2 said modified observed property is temperature or radar
3 frequency.

1 6. (Cancelled) A modifier according to claim 1 in which a
2 plurality of said Peltier cells occupy a substantial area of said
3 observable surface.

1 7. (Cancelled) A modifier according to claim 1 in which said
2 observable surface is spaced from a source of heat which is to be
3 hidden.

1 8. (Cancelled) A modifier according to claim 5 in which a
2 control responsive to a received radar frequency causes selective
3 modification to said thermally-responsive layer.

1 9. (Cancelled) A modifier according to claim 8 in which said
2 thermally-responsive layer includes fibers of carbon, copper or
3 silver.

1 10. (Previously Added) A modifier selectively to vary an
2 observed property of an observable surface, said observed
3 property being the resonant frequency of said observable surface

4 with respect to an impinging radar frequency beam, said
5 observable surface overlaying a substrate to be hidden, said
6 modifier comprising:

7 a Peltier effect thermoelectric cell comprising a
8 thermoelectric semiconductor, and a first and a second electrical
9 conductor on opposite surfaces of said semiconductor, the
10 temperature of said semiconductor surfaces being adjustably
11 variable as the consequence of application of an adjusted charge
12 to said electrical conductor; and

13 a thermally-responsive layer in thermal contact with
14 one of said opposite surfaces of the semiconductor, said
15 thermally responsive layer including in itself particles which
16 change their dimensions with change in temperature, whereby to
17 provide said thermally responsive layer with the property of an
18 adjustable resonant frequency relative to a radar beam impinging
19 on it as a function of the charge applied to the thermoelectric
20 cell.

1 11. (Previously Added) A modifier according to claim 10 in
2 which said Peltier cell occupies a substantial area of said
3 observable surface.

1 12. (Previously Added) A modifier according to claim 10 in
2 which said semiconductor and said first and second electrical

3 conductors are deposited as contiguous layers.

1 13. (Previously Added) A modifier according to claim 12 in
2 which said layers are deposited by vapor deposition, plasma arc
3 or sputtering, applied as a thin film.

1 14. (Previously Added) A modifier according to claim 12 in
2 which said semiconductor comprise silicon carbide.

1 15. (Previously Added) A modifier according to claim 10 in
2 which a plurality of said particles are fibers of carbon, copper
3 or silver.

Please amend claim 16 as follows:

1 16. (Previously Added, Currently Amended) A modifier
2 according to claim 10 in which a plurality of said Peltier cells
3 occupy a substantial area of said observable surface.